INTERNATIONAL SEARCH REPORT PCT/FR 03/03411 A CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16H61/02 F16H F16H59/66 F16H59/46 According to International Palant Classification (IPC) or to both national classification and IPC B. RELOS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F16H Bocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the Infernational search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to delm No. US 4 648 291 A (KLATT ALFRED ET AL) 10 March 1987 (1987-03-10) 1-9 the whole document EP 1 041 314 A (RENAULT) 4 October 2000 (2000-10-04) A 1-9 cited in the application the whole document EP 0 972 971 A (HONDA MOTOR CO LTD) 1-9 19 January 2000 (2000-01-19) the whole document --- EP 0 314 067 A (MAZDA MOTOR) . 1-9 3 May 1989 (1989-05-03) the whole document X Further documents are listed in the continuation of box C. Patent family members are tisted in ennex. Special categories of cited documents: "I" later document published after the International filling date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance notinevni 'E' earlier document but published on or after the international timp date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to throwe an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another custon or other special reason (as 'specified) document of peritoter relevance; the claimed it taken slone content of peritoter relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other, such documents, such consideration being obvious to a person stilled in the art. "O" document referring to an oral disclosure, use, exhibition or To document published prior to the International flling date but later than the priority date claimed '&' document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 1 April 2004 16/04/2004

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		PCT/FR 03/03411
C-(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with inclication, where appropriate, of the relevant passage	Refevent to claim No.
A	US 2002/082764 A1 (IKEDA MUNETOYO) 27 June 2002 (2002-06-27) the whole document	1-9
A	US 5 765 117 A (HORIGUCHI MASANOBU) 9 June 1998 (1998-06-09) the whole document	1-9
· · ·		



PCT/FR 03/03411

				FUL/FR U3/U3411			
· ·	Patent document cited in search report		Publication date		Patent family member(s)		Publication date
· ·. ·	US 4648291	Α	10-03-1987	DE	3334718	A1	04-04-1985
				AT	29244	T	15-09-1987
• •		•		DE	3465726	D1	08-10-1987
٠.				EP	0137252	A1	17-04-1985
	EP 1041314	Α	04-10-2000	FR	2791751	A1 🗟	06-10-2000
		•		DE	60003967	D1	28-08-2003
				EP	1041314		04-10-2000
	·			ES	2198259		01-02-2004
··· ·	EP 0972971	· A	19-01-2000	JP	2000033826	Α	02-02-2000
		.:		JP	2000035117	Ä	02-02-2000
				EP	0972971	Ä2	19-01-2000
٠.			•	US	6427108	Bl	30-07-2002
٠.	EP 0314067	A	03-05-1989	JP	1114545	A	08-05-1989
			•	JP	1998993	Ċ	08-12-1995
	· · -	•. •		JP	7014703	B ·	22-02-1995
			•	DE	3882198	D1 ·	12-08-1993
		•	•	DE	3882198	T2	09-12-1993
				EP	0314067		03-05-1989
				US	4933859		12-06-1990
	US 2002082764	A1	27-06-2002	JP	2002192979	A.	10-07-2002
	US 5765117	Α	09-06-1998	NONE		*. ***********************************	